

HIGH PERFORMANCE SOLVENT BASED, READY-TO-USE, FORM-RELEASE AGENT

Description

NIROMOULD RAS is ready to use, high performance, specially formulated blend of mineral oils and chemicals having release properties which are much superior to those of a conventional mould oil. The chemicals react with the alkali in the concrete to form a thin water repellent skin on the surface of the mould, thereby enabling easy stripping from concrete and acting as a protection to steel and wooden formwork. A remarkable improved quality of the concrete surface is possible by using NIROMOULD RAS only and that is the speciality of it.

NIROMOULD RAS is supplied as a pale straw-coloured liquid ready for direct application and use.

Uses

NIROMOULD RAS has been specially formulated to provide critical barrier between mould and cementitious media facilitating easy separation without stains and a significantly improved quality of the concrete surface which is smooth, homogeneous and free of pin-holes. Very much suitable for fair faced concrete.

Advantages

- Water-resistant chemical barrier – Ensures fast, clean stripping of forms
- No residue transfer – Stain-free & less voids
- Significantly improve the quality of the concrete surface.
- Does not harm concrete – compatible
- Can be used on all types of formworks
- Minimizes cleaning of shutters before re-use
- Reduces opportunity of damage to formwork, extending usable life.
- Suitable for use with steam cured concrete.
- Ready to use, no need for vigorous shaking before use as the component are readily dissolved in solvent.
- Environmentally friendly - Non-hazardous, having flash point >160°C
- Extends usage period of the form.
- Reduces corrosion risk on the form.

Characteristics

- Form : Liquid
- Composition : Blend of release agents in hydrocarbon carrier
- Relative density: 0.898 ± 0.02 at 25°C
- Freezing point : -10°C
- Flashpoint : >160°C

Directions for use

Apply before the first casting and thereafter re-apply immediately after stripping and cleaning the mould.

Lightweight horticultural sprayers (knapsack type) are ideal as NIROMOULD RAS is finely atomized to give a uniform coating.

Excessive application should be avoided.

Alternatively, application may be made by a fine haired brush, only a very thin coating should be made and any excess removed.

If after the first application, the NIROMOULD RAS is completely absorbed into new timber or plywood, a further application should be made before filling the moulds or formwork.

Coat forms liberally before storing to keep rust free. To return forms to service, sweep down and recoat with NIROMOULD RAS.

Packaging

NIROMOULD RAS is supplied in 200 litre drums, 20 litre and 5 litre containers.

Coverage

A coverage between 20 to 60m² per litre is possible depending upon the porosity and texture of mould surface.

Note: Progressively better results are obtained on plywood and timber moulds as they become impregnated and the operatives become accustomed to working with the release agent. NIROMOULD RAS in general, may be used over timber moulds. etc., which has been treated with other mould oils, provided excess has been removed.

Technical support

NIRMAN CHEMICALS provides technical advisory services for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Storage and Shelf life

NIROMOULD RAS must be stored where temperatures do not drop below +5°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 12 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult our local NIRMAN CHEMICALS LIMITED representative.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on NIRMAN CHEMICALS LIMITED web site.

Note

All Technical Data Sheets of NIRMAN CHEMICALS are updated on regular basis; it is the user's responsibility, to obtain the most recent issue. Field services where provided, does not constitute supervisory responsibility, for additional information contact our local representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.



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